

BAG3	Hsp27	Hsp273D	Hsp27c	$\alpha$ B crystallin	Hsp20	Hsp22
WT	8.7 $\pm$ 1.4 $\mu$ M	5.4 $\pm$ 1.4 $\mu$ M	0.41 $\pm$ 0.19 $\mu$ M	3.9 $\pm$ 1.9 $\mu$ M	1.4 $\pm$ 0.64 $\mu$ M	0.36 $\pm$ 0.21 $\mu$ M
$\Delta$ 87-101	2x	1.3x	2x	1.9x	1.1x	2x
$\Delta$ 200-213	No binding	4x	5x	1.8x	2.7x	2x
$\Delta$ 87-101 & $\Delta$ 200-213	No binding	No binding	25x	No binding	No binding	50x
IPV1	3x	1.7x	3.5x	1.9x	1x	3x
IPV2	No binding	8x	2x	1.6x	1x	5x
IPV1&2	No binding	No binding	7x	No binding	3x	7x

Supplemental Figure S2. The IPV motifs are also required for binding to other sHsps, as measured by FCPIA. Results are normalized to the apparent affinity of the wild type and reported as the fold decrease in apparent affinity. Results were also linearly corrected for the amount of sHsp immobilized. No binding is equivalent to a Kd greater than 100  $\mu$ M.